

D0 Status: June 10-June 17

- D0 concentrated on shutdown activities over last 2 weeks
- Silicon detector
 - all LVPS in the cathedral area are modified
 - ▲ failure of the LVPS late April was known one: bad fuse holder
 - ▲ running since Sunday, 06/09 stable
 - ▲ while we expect reliability to be greatly improved any failure of these LVPS will require 1-2 days shutdown
 - new grounding scheme is installed
 - dependence of F- wedges noise vs cooling temperature is studied
 - HV improvements and some HDIs repairs completed
- Fiber tracker
 - 195 of 198 AFEs boards are installed
 - commissioning of CTT trigger progressed
 - ▲ sent trigger decisions all the way up to muon L1
- Calorimeter
 - timing and control boards replaced
 - L1 trigger up to eta of 2.4 is installed
 - 4 BLS LVPS in the hall are replaced with modified version
 - ▲ will continue during accesses and October shutdown
 - multi-buffer readout issues fixed

8

D0 Status

- Muon system
 - gas leaks in mini-drift tubes are reduced by ~25%
 - calibration of HV system performed
 - 4 failed PMTs replaced (out of ~5,000)
 - a few electronics boards with dead channels are replaced
 - L1 trigger LVPS has been fixed
- DAQ system
 - new DAQ system installation is finished
 - ▲ talk by Gustaaf Brooijmans today
- Mechanical/electrical support
 - very efficient operation during shutdown
 - all jobs performed safely and on schedule
- Survey
 - reliable support during detector opening/closing
- Finished shutdown safely and on schedule with all critical jobs completed
- Ready for beam since Saturday day shift...